

Author Index, Vols. 69–71

- Andersen, F.Ø., *see* Holmer, M. (71) (2001) 1
- Anderson, P.K., *see* Masini, R.J. (71) (2001) 179
- Aranda-Cirerol, N., *see* Hauxwell, J. (69) (2001) 41
- Armstrong, J., and W. Armstrong
 An overview of the effects of phytotoxins on *Phragmites australis* in relation to
 die-back. (69) (2001) 251
- Armstrong, J., *see* Beckett, P.M. (69) (2001) 269
- Armstrong, J., *see* Beckett, P.M. (69) (2001) 293
- Armstrong, W., *see* Armstrong, J. (69) (2001) 251
- Armstrong, W., *see* Beckett, P.M. (69) (2001) 269
- Armstrong, W., *see* Beckett, P.M. (69) (2001) 293
- Axelsson, L., *see* Hellblom, F. (69) (2001) 55
- Aziz, I., and Khan M.A.
 Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings
 from the Indus delta, Pakistan (70) (2001) 259
- Backus, J.G., *see* McCormick, P.V. (71) (2001) 119
- Balázs, L., *see* Čížková, H. (69) (2001) 209
- Balestri, E., and F. Cinelli
 Isolation and cell wall regeneration of protoplasts from *Posidonia oceanica* and
 Cymodocea nodosa (70) (2001) 237
- Barrett, J.A., *see* Fant, J.B. (71) (2001) 199
- Bauer, V., *see* Čížková, H. (69) (2001) 209
- Bauer, V., *see* Čížková, H. (69) (2001) 235
- Bauer, V., *see* Lessmann, J.M. (69) (2001) 109
- Bauer, V., *see* Šantrůčková, H. (69) (2001) 217
- Beardall, J., *see* Light, B.R. (70) (2001) 9
- Beckett, P.M., W. Armstrong and J. Armstrong
 A modelling approach to the analysis of pressure-flow in *Phragmites* stands (69) (2001) 269
- Beckett, P.M., W. Armstrong and J. Armstrong
 Mathematical modelling of methane transport by *Phragmites*: the potential for
 diffusion within the roots and rhizosphere. (69) (2001) 293
- Beck-Nielsen, D., and T. Vindbæk Madsen
 Occurrence of vesicular-arbuscular mycorrhiza in aquatic macrophytes from lakes
 and streams (71) (2001) 141
- Beer, S., *see* Hellblom, F. (69) (2001) 55
- Bennett, I.J., *see* Boyce, M.C. (71) (2001) 83
- Birks, H.H., *see* Heegaard, E. (70) (2001) 175
- Björk, M., *see* Hellblom, F. (69) (2001) 55
- Blanch, S., *see* Mauchamp, A. (69) (2001) 147
- Bondgaard, E.J., *see* Holmer, M. (70) (2001) 29

- Bonetto, C., *see* Villar, C.A. (70) (2001) 105
- Boschker, H.T.S., *see* Holmer, M. (71) (2001) 1
- Boyce, M.C., P. Lavery, I.J. Bennett and P. Horwitz
 Spatial variation in the $\delta^{13}\text{C}$ signature of *Ruppia megacarpa* (Mason) in coastal
 lagoons of southwestern Australia and its implication for isotopic studies (71) (2001) 83
- Brix, H., and H. Čížková
 Introduction: *Phragmites*-dominated wetlands, their functions and sustainable use. (69) (2001) 87
- Brix, H., *see* Clevering, O.A. (69) (2001) 89
- Brix, H., *see* Lessmann, J.M. (69) (2001) 109
- Brix, H., *see* Lorenzen, B. (70) (2001) 117
- Cai, Y., *see* Fourqurean, J.W. (71) (2001) 247
- Carlos García-Gómez, J., *see* Sánchez-Moyano, J.E. (70) (2001) 163
- Carlton, R.G., *see* Heilman, M.A. (71) (2001) 19
- Caro, A.S., *see* Gantes, H.P. (70) (2001) 225
- Cayabyab, N.M., *see* Rollon, R.N. (71) (2001) 239
- Cebrian, J., and C.M. Duarte
 Detrital stocks and dynamics of the seagrass *Posidonia oceanica* (L.) Delile in the
 Spanish Mediterranean (70) (2001) 295
- Cebrián, J., *see* Hauxwell, J. (69) (2001) 41
- Cenzato, D., and G. Ganf
 A comparison of growth responses between two species of *Potamogeton* with
 contrasting canopy architecture (70) (2001) 53
- Chiang, T.-Y., *see* Huang, J.-C. (70) (2001) 269
- Cinelli, F., *see* Balestri, E. (70) (2001) 237
- Clevering, O.A., H. Brix and J. Lukavská
 Geographic variation in growth responses in *Phragmites australis* (69) (2001) 89
- Clevering, O.A., *see* Lessmann, J.M. (69) (2001) 109
- Comín, F.A., *see* Lessmann, J.M. (69) (2001) 109
- Cooling, M.P., G.G. Ganf and K.F. Walker
 Leaf recruitment and elongation: an adaptive response to flooding in *Villarsia*
 reniformis. (70) (2001) 281
- Čížková, H., L. Pechar, S. Husák, J. Květ, V. Bauer, J. Radová and K. Edwards
 Chemical characteristics of soils and pore waters of three wetland sites dominated by
 Phragmites australis: relation to vegetation composition and reed performance. (69) (2001) 235
- Čížková, H., *see* Šantrůčková, H. (69) (2001) 217
- Čížková, H., V. Istvánovics, V. Bauer and L. Balázs
 Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of
 Kis-Balaton, Hungary. (69) (2001) 209
- Das, S.K., *see* Körner, S. (71) (2001) 71
- Davis, B.C., and J.W. Fourqurean
 Competition between the tropical alga, *Halimeda incrassata*, and the seagrass,
 Thalassia testudinum (71) (2001) 217
- Day, J.W., *see* Delgado, P. (71) (2001) 157
- de Cabo, L., *see* Villar, C.A. (70) (2001) 105
- Delgado, P., P.F. Hensel, J.A. Jiménez and J.W. Day
 The importance of propagule establishment and physical factors in mangrove
 distributional patterns in a Costa Rican estuary (71) (2001) 157
- Duarte, C.M., *see* Cebrian, J. (70) (2001) 295
- Dulai, S., *see* Erdei, L. (69) (2001) 165
- Edwards, K., *see* Čížková, H. (69) (2001) 235

- Erdei, L., F. Horváth, I. Tari, A. Pécsvárad, Z. Szegetes and S. Dulai
Differences in photorespiration, glutamine synthetase and polyamines between
fragmented and closed stands of *Phragmites australis*. (69) (2001) 165
- Ervin, G.N., and R.G. Wetzel
Seed fall and field germination of needlerush, *Juncus effusus* L. (71) (2001) 233
- Estacio, F.J., see Sánchez-Moyano, J.E. (70) (2001) 163
- Fant, J.B., C.D. Preston and J.A. Barrett
Isozyme evidence for the origin of *Potamogeton* \times *sudermanicus* as a hybrid between
P. acutifolius and *P. berchtoldii*. (71) (2001) 199
- Fortes, M.D., see Rollon, R.N. (71) (2001) 239
- Fourqurean, J.W., and Y. Cai
Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico. (71) (2001) 247
- Fourqurean, J.W., see Davis, B.C. (71) (2001) 217
- Fraser, A., and K. Kindscher
Tree spade transplanting of *Spartina pectinata* (Link) and *Eleocharis macrostachya*
(Britt.) in a prairie wetland restoration site (71) (2001) 297
- Ganf, G., see Cenzato, D. (70) (2001) 53
- Ganf, G.G., see Cooling, M.P. (70) (2001) 281
- Ganf, G.G., see Morris, K. (70) (2001) 311
- Ganf, G.G., see White, S.D. (70) (2001) 151
- Gantes, H.P., and A.S. Caro
Environmental heterogeneity and spatial distribution of macrophytes in plain streams (70) (2001) 225
- García-Adiego, E.M., see Sánchez-Moyano, J.E. (70) (2001) 163
- García-Carrascosa, A.M., see Sanchiz, C. (69) (2001) 63
- Gessner, M.O.,
Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves
during senescence and early aerial decay (69) (2001) 325
- Gibson, C.E., see Heegaard, E. (70) (2001) 175
- Gomez, N., see Hauxwell, J. (69) (2001) 41
- Granéli, W., see Vretare, V. (69) (2001) 127
- Grillas, P., see Mauchamp, A. (69) (2001) 147
- Guo, Y.-H., see Huang, S.-Q. (70) (2001) 67
- Hamilton, E., see Kiviat, E. (69) (2001) 341
- Harley, C.D.G., see Speidel, M. (71) (2001) 273
- Hartzendorf, T., and H. Rolletschek
Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites*
australis. (69) (2001) 195
- Harwell, M.C., and R.J. Orth
Influence of a tube-dwelling polychaete on the dispersal of fragmented reproductive
shoots of eelgrass (70) (2001) 1
- Harwell, M.C., see Patterson, M.R. (69) (2001) 27
- Hauxwell, J., J. Cebrián, J.A. Herrera-Silveira, J. Ramírez R., A. Zaldivar J., N. Gomez and
N. Aranda-Cirerol
Measuring production of *Halodule wrightii*: additional evidence suggests clipping
underestimates growth rate (69) (2001) 41
- Heegaard, E., H.H. Birks, C.E. Gibson, S.J. Smith and S. Wolfe-Murphy
Species-environmental relationships of aquatic macrophytes in Northern Ireland. (70) (2001) 175
- Heilman, M.A., and R.G. Carlton
Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius*
and *Potamogeton amplifolius*: effects on plant aeration and sediment CH₄ flux. (71) (2001) 19

- Hellblom, F., S. Beer, M. Björk and L. Axelsson
A buffer sensitive inorganic carbon utilisation system in *Zostera marina* (69) (2001) 55
- Hemminga, M.A., *see* Kamermans, P. (70) (2001) 243
- Hensel, P.F., *see* Delgado, P. (71) (2001) 157
- Herrera-Silveira, J.A., *see* Hauxwell, J. (69) (2001) 41
- Hille, S., *see* Ostendorp, W. (69) (2001) 177
- Holmer, M., and E.J. Bondgaard
Photosynthetic and growth response of eelgrass to low oxygen and high sulfide concentrations during hypoxic events (70) (2001) 29
- Holmer, M., F.Ø. Andersen, S.L. Nielsen and H.T.S. Boschker
The importance of mineralization based on sulfate reduction for nutrient regeneration in tropical seagrass sediments (71) (2001) 1
- Hong, K.-H., *see* Huang, J.-C. (70) (2001) 269
- Horváth, F., *see* Erdei, L. (69) (2001) 165
- Horwitz, P., *see* Boyce, M.C. (71) (2001) 83
- Huang, J.-C., W.-K. Wang, K.-H. Hong and T.-Y. Chiang
Population differentiation and phylogeography of *Hygrophila pogonocalyx* based on RAPDs fingerprints (70) (2001) 269
- Huang, S.-Q., Y.-H. Guo, G.W. Robert, Y.-H. Shi and K. Sun
Mechanism of underwater pollination in *Najas marina* (Najadaceae). (70) (2001) 67
- Husák, S., *see* Čížková, H. (69) (2001) 235
- Husband, B.C., *see* Lemon, G.D. (70) (2001) 79
- Istvánovics, V., *see* Čížková, H. (69) (2001) 209
- Izco, J., *see* Sánchez, J.M. (69) (2001) 15
- Jacobsen, D., and E. Terneus
Aquatic macrophytes in cool aseasonal and seasonal streams: a comparison between Ecuadorian highland and Danish lowland streams. (71) (2001) 281
- Jiménez, J.A., *see* Delgado, P. (71) (2001) 157
- Kairesalo, T., *see* Karjalainen, H. (69) (2001) 1
- Käki, T., A. Ojala and P. Kankaala
Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake (71) (2001) 259
- Kamermans, P., M.A. Hemminga, N. Marbà, M.A. Mateo, M. Mtolera and J. Stapel
Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast (70) (2001) 243
- Kanamoto, Z., *see* Kuo, J. (70) (2001) 329
- Kankaala, P., *see* Käki, T. (71) (2001) 259
- Karjalainen, H., G. Stefansdottir, L. Tuominen and T. Kairesalo
Do submersed plants enhance microbial activity in sediment? (69) (2001) 1
- Kennedy, W.C., *see* McCormick, P.V. (71) (2001) 119
- Khan, M.A., *see* Aziz, I. (70) (2001) 259
- Kindscher, K., *see* Fraser, A. (71) (2001) 297
- Kiviat, E., and E. Hamilton
Phragmites use by Native North Americans. (69) (2001) 341
- Kohl, J.-G., *see* Lippert, I. (69) (2001) 359
- Kopecký, J., *see* Šantrůčková, H. (69) (2001) 217
- Körner, S., S.K. Das, S. Veenstra and J.E. Vermaat
The effect of pH variation at the ammonium/ammonia equilibrium in wastewater and its toxicity to *Lemna gibba* (71) (2001) 71
- Kuo, J., T. Shibuno, Z. Kanamoto and T. Noro
Halophila ovalis (R. Br.) Hook. f. from a submarine hot spring in southern Japan (70) (2001) 329

- Květ, J., *see* Čížková, H. (69) (2001) 235
- Lavery, P., *see* Boyce, M.C. (71) (2001) 83
- Lee, A., *see* Nelson, T.A. (71) (2001) 149
- Lemon, G.D., U. Posluszny and B.C. Husband
Potential and realized rates of vegetative reproduction in *Spirodela polyrrhiza*, *Lemna minor*, and *Wolffia borealis*. (70) (2001) 79
- Lessmann, J.M., H. Brix, V. Bauer, O.A. Clevering and F.A. Comín
Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations (69) (2001) 109
- Light, B.R., and J. Beardall
Photosynthetic characteristics of sub-tidal benthic microalgal populations from a temperate, shallow water marine ecosystem. (70) (2001) 9
- Lippert, I., H. Rolletschek and J.-G. Kohl
Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities. (69) (2001) 359
- Lorenzen, B., H. Brix, I.A. Mendelssohn, K.L. McKee and S.L. Miao
Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability. (70) (2001) 117
- Lorenzen, B., *see* Brix, H. (69) (2001) 313
- Lukavská, J., *see* Clevering, O.A. (69) (2001) 89
- Lukavská, J., *see* Šantrůčková, H. (69) (2001) 217
- Marbà, N., *see* Kamermans, P. (70) (2001) 243
- Marion, L., *see* Paillisson, J.-M. (71) (2001) 209
- Masini, R.J., P.K. Anderson and A.J. McComb
A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing (71) (2001) 179
- Mateo, M.A., *see* Kamermans, P. (70) (2001) 243
- Mauchamp, A., and F. Mésleard
Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes (70) (2001) 39
- Mauchamp, A., S. Blanch and P. Grillas
Effects of submergence on the growth of *Phragmites australis* seedlings (69) (2001) 147
- McComb, A.J., *see* Masini, R.J. (71) (2001) 179
- McCormick, P.V., M.B. O'Dell, R.B.E. Shuford III, J.G. Backus and W.C. Kennedy
Periphyton responses to experimental phosphorus enrichment in a subtropical wetland (71) (2001) 119
- McKee, K.L., *see* Lorenzen, B. (70) (2001) 117
- Mendelssohn, I.A., *see* Lorenzen, B. (70) (2001) 117
- Mésleard, F.V., *see* Mauchamp, A. (70) (2001) 39
- Miao, S.L., *see* Lorenzen, B. (70) (2001) 117
- Morris, K., and G.G. Ganf
The response of an emergent sedge *Bolboschoenus medianus* to salinity and nutrients (70) (2001) 311
- Mtolera, M., *see* Kamermans, P. (70) (2001) 243
- Mulholland, M.M., and M.L. Otte
The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica*. (71) (2001) 63
- Nelson, T.A., and A. Lee
A manipulative experiment demonstrates that blooms of the macroalga *Ulvaria obscura* can reduce eelgrass shoot density. (71) (2001) 149
- Nielsen, S.L., *see* Holmer, M. (71) (2001) 1
- Noro, T., *see* Kuo, J. (70) (2001) 329

- O'Dell, M.B., *see* McCormick, P.V. (71) (2001) 119
- Ojala, A., *see* Käki, T. (71) (2001) 259
- Orth, L.M., *see* Patterson, M.R. (69) (2001) 27
- Orth, R.J., *see* Harwell, M.C. (70) (2001) 1
- Orth, R.J., *see* Patterson, M.R. (69) (2001) 27
- Ostendorp, W., E. Tiedge and S. Hille
Effect of eutrophication on culm architecture of lakeshore *Phragmites* reeds (69) (2001) 177
- Otte, M.L., *see* Mulholland, M.M. (71) (2001) 63
- Paillisson, J.-M., and L. Marion
Interaction between coot (*Fulica atra*) and waterlily (*Nymphaea alba*) in a lake: the indirect impact of foraging (71) (2001) 209
- Parolin, P.
Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains (70) (2001) 89
- Pastor, A., *see* Sanchiz, C. (69) (2001) 63
- Patterson, M.R., M.C. Harwell, L.M. Orth and R.J. Orth
Biomechanical properties of the reproductive shoots of eelgrass (69) (2001) 27
- Pauliukonis, N., and R. Schneider
Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States (71) (2001) 35
- Pavoni, B., *see* Zharova, N. (70) (2001) 135
- Pechar, L., *see* Čížková, H. (69) (2001) 235
- Pechar, L., *see* Šantrůčková, H. (69) (2001) 217
- Pécsváradi, A., *see* Erdei, L. (69) (2001) 165
- Pícek, T., *see* Šantrůčková, H. (69) (2001) 217
- Posluszny, U., *see* Lemon, G.D. (70) (2001) 79
- Preston, C.D., *see* Fant, J.B. (71) (2001) 199
- Radová, J., *see* Čížková, H. (69) (2001) 235
- Rai, A.K., *see* Rai, V. (71) (2001) 109
- Rai, V., S.P. Tiwari and A.K. Rai
Effect of NaCl on nitrogen fixation of unadapted and NaCl-adapted *Azolla pinnata*-*Anabaena azollae* (71) (2001) 109
- Ramírez R., J., *see* Hauxwell, J. (69) (2001) 41
- Robert, G.W., *see* Huang, S.-Q. (70) (2001) 67
- Rolletschek, H., *see* Hartzendorf, T. (69) (2001) 195
- Rolletschek, H., *see* Lippert, I. (69) (2001) 359
- Rollon, R.N., N.M. Cayabyab and M.D. Fortes
Vegetative dynamics and sexual reproduction of monospecific *Thalassia hemprichii* meadows in the Kalayaan Island Group (71) (2001) 239
- Sánchez, J.M., D.G. SanLeon and J. Izco
Primary colonisation of mudflat estuaries by *Spartina maritima* (Curtis) Fernald in Northwest Spain: vegetation structure and sediment accretion (69) (2001) 15
- Sánchez-Moyano, J.E., F.J. Estacio, E.M. García-Adiego and J. Carlos García-Gómez
Effect of the vegetative cycle of *Caulerpa prolifera* on the spatio-temporal variation of invertebrate macrofauna (70) (2001) 163
- Sanchiz, C., A.M. García-Carrascosa and A. Pastor
Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes (69) (2001) 63
- SanLeon, D.G., *see* Sánchez, J.M. (69) (2001) 15
- Šantrůčková, H., T. Pícek, M. Šimek, V. Bauer, J. Kopecký, L. Pechar, J. Lukavská and H. Čížková

- Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand (69) (2001) 217
- Schneider, R., *see* Pauliukonis, N. (71) (2001) 35
- Sfriso, A., *see* Zharova, N. (70) (2001) 135
- Shi, Y.-H., *see* Huang, S.-Q. (70) (2001) 67
- Shibuno, T., *see* Kuo, J. (70) (2001) 329
- Shuford III, R.B.E., *see* McCormick, P.V. (71) (2001) 119
- Šimek, M., *see* Šantrůčková, H. (69) (2001) 217
- Smith, S.J., *see* Heegaard, E. (70) (2001) 175
- Sorrell, B.K., *see* Brix, H. (69) (2001) 313
- Speidel, M., C.D.G. Harley and M.J. Wonham
Recovery of the brown alga *Fucus gardneri* following a range of removal intensities. (71) (2001) 273
- Stapel, J., *see* Kamermans, P. (70) (2001) 243
- Stefansdottir, G., *see* Karjalainen, H. (69) (2001) 1
- Strand, J.A., *see* Vretare, V. (69) (2001) 127
- Sun, K., *see* Huang, S.-Q. (70) (2001) 67
- Szegletes, Z., *see* Erdei, L. (69) (2001) 165
- Tari, I., *see* Erdei, L. (69) (2001) 165
- Terneus, E., *see* Jacobsen, D. (71) (2001) 281
- Tiedge, E., *see* Ostendorp, W. (69) (2001) 177
- Titlyanov, E.A., *see* Yakovleva, I.M. (71) (2001) 47
- Tiwari, S.P., *see* Rai, V. (71) (2001) 109
- Tuominen, L., *see* Karjalainen, H. (69) (2001) 1
- Vaithyanathan, P., *see* Villar, C.A. (70) (2001) 105
- Veenstra, S., *see* Körner, S. (71) (2001) 71
- Verb, R.G., and M.L. Vis
Macroalgal communities from an acid mine drainage impacted watershed (71) (2001) 93
- Vermaat, J.E., *see* Körner, S. (71) (2001) 71
- Villar, C.A., L. de Cabo, P. Vaithyanathan and C. Bonetto
Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River (70) (2001) 105
- Vindbæk Madsen, T., *see* Beck-Nielsen, D. (71) (2001) 141
- Vis, M.L., *see* Verb, R.G. (71) (2001) 93
- Voinov, A., *see* Zharova, N. (70) (2001) 135
- Vretare, V., S.E.B. Weisner, J.A. Strand and W. Granéli
Phenotypic plasticity in *Phragmites australis* as a functional response to water depth (69) (2001) 127
- Walker, K.F., *see* Cooling, M.P. (70) (2001) 281
- Wang, W.-K., *see* Huang, J.-C. (70) (2001) 269
- Weisner, S.E.B., *see* Vretare, V. (69) (2001) 127
- Wetzel, R.G., *see* Ervin, G.N. (71) (2001) 233
- White, S.D., and G.G. Ganf
The influence of convective flow and sediment type on root morphology in *Typha domingensis* (70) (2001) 151
- Wolfe-Murphy, S., *see* Heegaard, E. (70) (2001) 175
- Wonham, M.J., *see* Speidel, M. (71) (2001) 273
- Yakovleva, I.M., and E.A. Titlyanov
Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms (71) (2001) 47

- Zaldivar J., A., *see* Hauxwell, J. (69) (2001) 41
- Zharova, N., A. Sfriso, A. Voinov and B. Pavoni
A simulation model for the annual fluctuation of *Zostera marina* biomass in the
Venice lagoon. (70) (2001) 135

Subject Index, Vols. 69–71

Acclimation

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Acclimatisation

Phenotypic plasticity in *Phragmites australis* as a functional response to water depth 69 (2001) 127

Acer rubrum

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 35

Acid mine drainage (AMD)

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Aeration

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Aerenchyma

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

Algae

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Algal blooms

A manipulative experiment demonstrates that blooms of the macroalga *Ulvaria obscura* can reduce eelgrass shoot density 71 (2001) 149

Algal density

Effect of the vegetative cycle of *Caulerpa prolifera* on the spatio-temporal variation of invertebrate macrofauna 70 (2001) 163

Allometry

Phenotypic plasticity in *Phragmites australis* as a functional response to water depth 69 (2001) 127

Ammonia toxicity

The effect of pH variation at the ammonium/ammonia equilibrium in wastewater and its toxicity to *Lemma gibba* 71 (2001) 71

AMOVA

Population differentiation and phylogeography of *Hygrophila pogonocalyx* based on RAPDs fingerprints 70 (2001) 269

Anaerobic activity

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

Annual cycle

A simulation model for the annual fluctuation of *Zostera marina* biomass in the Venice lagoon 70 (2001) 135

Aquatic macrophytes

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

Species–environment relationships of aquatic macrophytes in Northern Ireland 70 (2001) 175

Occurrence of vesicular–arbuscular mycorrhiza in aquatic macrophytes from lakes and streams 71 (2001) 141

Australia

A *Halodule*-dominated community in a subtropical embayment: physical environment, productiv-

ity, biomass, and impact of dugong grazing 71 (2001) 179

Avicennia bicolor

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Avicennia germinans

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Azolla pinnata*-*Anabaena azollae

Effect of NaCl on nitrogen fixation of unadapted and NaCl-adapted *Azolla pinnata*-*Anabaena azollae* 71 (2001) 109

Benthic microalgae

Photosynthetic characteristics of sub-tidal benthic microalgal populations from a temperate, shallow water marine ecosystem 70 (2001) 9

Bioaccumulation

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Bioavailability

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Bioindicators

Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico 71 (2001) 247

Biomass

A *Halodule*-dominated community in a sub-tropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Biomass allocation

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Biomass production

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Biomechanics

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Boreal lake

Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake 71 (2001) 259

Breaking strain

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Breaking stress

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Buffer sensitivity

A buffer sensitive inorganic carbon utilisation system in *Zostera marina* 69 (2001) 55

Cadmium

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Canonical correspondence analysis (CCA)

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Carbon cycling

Are *Phragmites*-dominated wetlands a net source or net sink of greenhouse gases? 69 (2001) 313

Carbon isotope discrimination

The response of an emergent sedge *Bolboschoenus medianus* to salinity and nutrients 70 (2001) 311

Carbon isotope signatures

Spatial variation in the $\delta^{13}\text{C}$ signature of *Ruppia megacarpa* (Mason) in coastal lagoons of southwestern Australia and its implication for isotopic studies 71 (2001) 83

Carbonates

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Carotenoid

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

Cation Exchange Capacity

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Cattail

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Caulerpa prolifera

Effect of the vegetative cycle of *Caulerpa prolifera* on the spatio-temporal variation of invertebrate macrofauna 70 (2001) 163

Caulerpales

Competition between the tropical alga, *Halimeda incrassata*, and the seagrass, *Thalassia testudinum* 71 (2001) 217

Cell wall

Isolation and cell wall regeneration of protoplasts from *Posidonia oceanica* and *Cymodocea nodosa* 70 (2001) 237

Chlorophyll

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

Chlorophyll fluorescence

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Chondrus crispus

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Climate

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Cline

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Clone

Primary colonisation of mudflat estuaries by *Spartina maritima* (Curtis) Fernald in Northwest Spain: vegetation structure and sediment accretion 69 (2001) 15

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Coal mining

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Colonization

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Competition

Competition between the tropical alga, *Halimeda incrassata*, and the seagrass, *Thalassia testudinum* 71 (2001) 217

Controlled environments

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Convergent evolution

Mechanism of underwater pollination in *Najas marina* (Najadaceae) 70 (2001) 67

Costa Rica

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Crab predation

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Current velocity

Environmental heterogeneity and spatial distribution of macrophytes in plain streams 70 (2001) 225

Cymodocea nodosa

Isolation and cell wall regeneration of protoplasts from *Posidonia oceanica* and *Cymodocea nodosa* 70 (2001) 237

Cymodocea rotundata

The importance of mineralization based on sulfate reduction for nutrient regeneration in tropical seagrass sediments 71 (2001) 1

Decomposition

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River 70 (2001) 105

Demography

Potential and realized rates of vegetative reproduction in *Spirodela polyrrhiza*, *Lemna minor*, and *Wolffia borealis* 70 (2001) 79

Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast 70 (2001) 243

Denitrification

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

Density

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

Detrital stocks

Detrital stocks and dynamics of the seagrass *Posidonia oceanica* (L.) Delile in the Spanish Mediterranean 70 (2001) 295

Die-back

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Diel variation

Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake 71 (2001) 259

Diffusion

Mathematical modelling of methane transport by *Phragmites*: the potential for diffusion within the roots and rhizosphere 69 (2001) 293

Dimethylsulphoniopropionate

The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica* 71 (2001) 63

Diopatra cuprea

Influence of a tube-dwelling polychaete on the dispersal of fragmented reproductive shoots of eelgrass 70 (2001) 1

Disturbance intensity

Recovery of the brown alga *Fucus gardneri* following a range of removal intensities 71 (2001) 273

Drift algae

A manipulative experiment demonstrates that blooms of the macroalga *Ulvaria obscura* can reduce eelgrass shoot density 71 (2001) 149

Duckweed

Potential and realized rates of vegetative reproduction in *Spirodela polyrrhiza*, *Lemna minor*, and *Wolffia borealis* 70 (2001) 79

The effect of pH variation at the ammonium/ammonia equilibrium in wastewater and its toxicity to *Lemna gibba* 71 (2001) 71

Dugong

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

East Africa

Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast 70 (2001) 243

Ebullition

Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius* and *Potamogeton amplifolius*: effects on plant aeration and sediment CH₄ flux 71 (2001) 19

Ecotype

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

Ecuador

Aquatic macrophytes in cool aseasonal and seasonal streams: a comparison between Ecuadorian highland and Danish lowland streams 71 (2001) 281

Eelgrass

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Influence of a tube-dwelling polychaete on the dispersal of fragmented reproductive shoots of eelgrass 70 (2001) 1

Elastic modulus

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Elodea

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

Emergent macrophytes

Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River 70 (2001) 105

Emergent wetland

Seed fall and field germination of needlerush, *Juncus effusus* L. 71 (2001) 233

Epifauna

Effect of the vegetative cycle of *Caulerpa prolifera* on the spatio-temporal variation of invertebrate macrofauna 70 (2001) 163

Ergosterol

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Ethnobotany

Phragmites use by Native North Americans 69 (2001) 341

EUREED

Effect of eutrophication on culm architecture of lakeshore *Phragmites* reeds 69 (2001) 177

Eutrophication

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

Chemical characteristics of soils and pore waters of three wetland sites dominated by *Phragmites australis*: relation to vegetation composition and reed performance 69 (2001) 235

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Evapotranspiration

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 35

Everglades

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Floodplain forest

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Floodplain marshes

Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River 70 (2001) 105

Flowering

Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast 70 (2001) 243

Flowering time

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Fucus gardneri

Recovery of the brown alga *Fucus gardneri* following a range of removal intensities 71 (2001) 273

Functional response

Phenotypic plasticity in *Phragmites australis* as a functional response to water depth 69 (2001) 127

Fungal biomass

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

GAM

Species–environmental relationships of aquatic macrophytes in Northern Ireland 70 (2001) 175

Gas transport

Are *Phragmites*-dominated wetlands a net source or net sink of greenhouse gases? 69 (2001) 313

Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius* and *Potamogeton amplifolius*: effects on plant aeration and sediment CH_4 flux 71 (2001) 19

Gas-flow

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Genetic drift

Population differentiation and phylogeography of *Hygrophila pogonocalyx* based on RAPDs fingerprints 70 (2001) 269

Genetic variability

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Isozyme evidence for the origin of *Potamogeton* \times *sudermanicus* as a hybrid between *P. acutifolius* and *P. berchtoldii* 71 (2001) 199

Genetic variation

Population differentiation and phylogeography of *Hygrophila pogonocalyx* based on RAPDs fingerprints 70 (2001) 269

Genotypes

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Genotypic variation

Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites australis* 69 (2001) 195

Germination

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Global warming

Mathematical modelling of methane transport by *Phragmites*: the potential for diffusion within the roots and rhizosphere 69 (2001) 293

Glucose

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

[Glycine betaine]

The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica* 71 (2001) 63

Green tides

A manipulative experiment demonstrates that blooms of the macroalga *Ulvaria obscura* can reduce eelgrass shoot density 71 (2001) 149

Growth

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

Effects of submergence on the growth of *Phragmites australis* seedlings 69 (2001) 147

Photosynthetic and growth response of eelgrass to low oxygen and high sulfide concentrations during hypoxic events 70 (2001) 29

Leaf recruitment and elongation: an adaptive response to flooding in *Villarsia reniformis* 70 (2001) 281

Halimeda incrassata

Competition between the tropical alga, *Halimeda incrassata*, and the seagrass, *Thalassia testudinum* 71 (2001) 217

Halodule

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Halodule wrightii

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

Halophila ovalis

Halophila ovalis (R. Br.) Hook. f. from a submarine hot spring in southern Japan 70 (2001) 329

 HCO_3^- utilisation

A buffer sensitive inorganic carbon utilisation system in *Zostera marina* 69 (2001) 55

Heavy metals

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Herbivore impact

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Heterocyst frequency

Effect of NaCl on nitrogen fixation of unadapted and NaCl-adapted *Azolla pinnata*–*Anabaena azollae* 71 (2001) 109

High S content

Halophila ovalis (R. Br.) Hook. f. from a submarine hot spring in southern Japan 70 (2001) 329

Humidity-induced convection

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Hybrids

Isozyme evidence for the origin of *Potamogeton* × *sudermanicus* as a hybrid between *P. acutifolius* and *P. berchtoldii* 71 (2001) 199

Hydrophily

Mechanism of underwater pollination in *Najas marina* (Najadaceae) 70 (2001) 67

Hydroponics

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Hygrophila pogonocalyx

Population differentiation and phylogeography of *Hygrophila pogonocalyx* based on RAPDs fingerprints 70 (2001) 269

Hypoxia

Photosynthetic and growth response of eelgrass to low oxygen and high sulfide concentrations during hypoxic events 70 (2001) 29

Igapó

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Indirect feeding effects

Interaction between coot (*Fulica atra*) and waterlily (*Nymphaea alba*) in a lake: the indirect impact of foraging 71 (2001) 209

Individual species response

Species–environment relationships of aquatic macrophytes in Northern Ireland 70 (2001) 175

Indus delta

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

Infection

Occurrence of vesicular–arbuscular mycorrhiza in aquatic macrophytes from lakes and streams 71 (2001) 141

Inorganic carbon

A buffer sensitive inorganic carbon utilisation system in *Zostera marina* 69 (2001) 55

Internal pressurisation

The influence of convective flow and sediment type on root morphology in *Typha domingensis* 70 (2001) 151

Inter-tidal zone

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

Invasive species

Phragmites use by Native North Americans 69 (2001) 341

Ions

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

Isozymes

Isozyme evidence for the origin of *Potamogeton* × *sudermanicus* as a hybrid between *P. acutifolius* and *P. berchtoldii* 71 (2001) 199

Japan

Halophila ovalis (R. Br.) Hook. f. from a submarine hot spring in southern Japan 70 (2001) 329

Laguncularia racemosa

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

LAR

A comparison of growth responses between two species of *Potamogeton* with contrasting canopy architecture 70 (2001) 53

Latitudinal gradient

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Lead

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Leaf production

Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast 70 (2001) 243

Lemnaceae

Potential and realized rates of vegetative reproduction in *Spirodela polyrrhiza*, *Lemna minor*, and *Wolffia borealis* 70 (2001) 79

Light

A comparison of growth responses between two species of *Potamogeton* with contrasting canopy architecture 70 (2001) 53

Light compensation point

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Limitation factors

A simulation model for the annual fluctuation of *Zostera marina* biomass in the Venice lagoon 70 (2001) 135

Littoral zone

Effect of eutrophication on culm architecture of lakeshore *Phragmites* reeds 69 (2001) 177

Lobelia

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

Lysimeter

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 93

Macroalgae

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Macrophyte

A comparison of growth responses between two species of *Potamogeton* with contrasting canopy architecture 70 (2001) 53

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Environmental heterogeneity and spatial distribution of macrophytes in plain streams 70 (2001) 225

Leaf recruitment and elongation: an adaptive response to flooding in *Villarsia reniformis* 70 (2001) 281

The response of an emergent sedge *Bolboschoenus medianus* to salinity and nutrients 70 (2001) 311

Aquatic macrophytes in cool aseasonal and seasonal streams: a comparison between Ecuadorian highland and Danish lowland streams 71 (2001) 281

Mangrove

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Mathematical modelling

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Mathematical modelling of methane transport by *Phragmites*: the potential for diffusion within the roots and rhizosphere 69 (2001) 293

Mediterranean climate

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Mercury

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Methane

Mathematical modelling of methane transport by *Phragmites*: the potential for diffusion within the roots and rhizosphere 69 (2001) 293

Methane emission

Are *Phragmites*-dominated wetlands a net source or net sink of greenhouse gases? 69 (2001) 313

Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius* and *Potamogeton amplifolius*: effects on plant aeration and sediment CH_4 flux 71 (2001) 19

Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake 71 (2001) 259

Methanogenesis

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

Mitigation

Tree spade transplanting of *Spartina pectinata* (Link) and *Eleocharis macrostachya* (Britt.) in a prairie wetland restoration site 71 (2001) 297

Morphological adaptations

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Morphology

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Mycorrhiza

Occurrence of vesicular-arbuscular mycorrhiza in aquatic macrophytes from lakes and streams 71 (2001) 141

Mycosporine-like amino acids

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Myriophyllum

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

N supply

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

NaCl

Effect of NaCl on nitrogen fixation of unadapted and NaCl-adapted *Azolla pinnata*–*Anabaena azollae* 71 (2001) 109

NaCl-adaptation

Effect of NaCl on nitrogen fixation of unadapted and NaCl-adapted *Azolla pinnata*–*Anabaena azollae* 71 (2001) 109

Najas marina

Mechanism of underwater pollination in *Najas marina* (Najadaceae) 70 (2001) 67

NAR

A comparison of growth responses between two species of *Potamogeton* with contrasting canopy architecture 70 (2001) 53

Native Americans

Phragmites use by Native North Americans 69 (2001) 341

Nitrate reductase

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

Nitrogen

Chemical characteristics of soils and pore waters of three wetland sites dominated by *Phragmites australis*: relation to vegetation composition and reed performance 69 (2001) 235

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica* 71 (2001) 63

Nitrogenase

Effect of NaCl on nitrogen fixation of unadapted and NaCl-adapted *Azolla pinnata*–*Anabaena azollae* 71 (2001) 109

Non-linear dynamics

Recovery of the brown alga *Fucus gardneri* following a range of removal intensities 71 (2001) 273

North America

Phragmites use by Native North Americans 69 (2001) 341

Northern Ireland

Species-environmental relationships of aquatic macrophytes in Northern Ireland 70 (2001) 175

Nutrient limitation

Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico 71 (2001) 247

Nutrient use efficiency

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Nutrients

Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River 70 (2001) 105

The importance of mineralization based on sulfate reduction for nutrient regeneration in tropical seagrass sediments 71 (2001) 1

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Omnivory

Interaction between coot (*Fulica atra*) and waterlily (*Nymphaea alba*) in a lake: the indirect impact of foraging 71 (2001) 209

Organic acids

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

Organic matter

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Chemical characteristics of soils and pore waters of three wetland sites dominated by *Phragmites australis*: relation to vegetation composition and reed performance 69 (2001) 235

Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River 70 (2001) 105

Oxygen

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Oxygen transport

The influence of convective flow and sediment type on root morphology in *Typha domingensis* 70 (2001) 151

PAR

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Páramo

Aquatic macrophytes in cool aseasonal and seasonal streams: a comparison between Ecuadorian highland and Danish lowland streams 71 (2001) 281

Paraná River

Litter decomposition of emergent macrophytes in a floodplain marsh of the Lower Paraná River 70 (2001) 105

Penicillus

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Periphyton

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Petioles

Leaf recruitment and elongation: an adaptive response to flooding in *Villarsia reniformis* 70 (2001) 281

pH

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Phenotypic plasticity

Phenotypic plasticity in *Phragmites australis* as a functional response to water depth 69 (2001) 127

Effects of submergence on the growth of *Phragmites australis* seedlings 69 (2001) 147

Phosphate

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Phosphorus

Chemical characteristics of soils and pore waters of three wetland sites dominated by *Phragmites australis*: relation to vegetation composition and reed performance 69 (2001) 235

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Photorespiration

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

Photosynthesis

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Effects of submergence on the growth of *Phragmites australis* seedlings 69 (2001) 147

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

Photosynthetic characteristics of sub-tidal benthic microalgal populations from a temperate, shallow water marine ecosystem 70 (2001) 9

Photosynthetic and growth response of eelgrass to low oxygen and high sulfide concentrations during hypoxic events 70 (2001) 29

The response of an emergent sedge *Bolboschoenus medianus* to salinity and nutrients 70 (2001) 311

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Phragmites

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

Phragmites australis

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Phenotypic plasticity in *Phragmites australis* as a functional response to water depth 69 (2001) 127

Effects of submergence on the growth of *Phragmites australis* seedlings 69 (2001) 147

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

Effect of eutrophication on culm architecture of lakeshore *Phragmites* reeds 69 (2001) 177

Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites australis* 69 (2001) 195

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Are *Phragmites*-dominated wetlands a net source or net sink of greenhouse gases? 69 (2001) 313

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Phragmites use by Native North Americans 69 (2001) 341

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake 71 (2001) 259

Phragmites australis roots

Mathematical modelling of methane transport by *Phragmites*: the potential for diffusion within the roots and rhizosphere 69 (2001) 293

Phylogeography

Population differentiation and phylogeography of *Hygrophila pogonocalyx* based on RAPDs fingerprints 70 (2001) 269

P-I parameters

Photosynthetic characteristics of sub-tidal benthic microalgal populations from a temperate, shallow water marine ecosystem 70 (2001) 9

Plain streams

Environmental heterogeneity and spatial distribution of macrophytes in plain streams 70 (2001) 225

Plant parts

Spatial variation in the $\delta^{13}\text{C}$ signature of *Ruppia megacarpa* (Mason) in coastal lagoons of southwestern Australia and its implication for isotopic studies 71 (2001) 83

Plasticity

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

 P_{max}

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Poaceae

Phragmites use by Native North Americans 69 (2001) 341

Point bars

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Pollination

Mechanism of underwater pollination in *Najas marina* (Najadaceae) 70 (2001) 67

Polyamines

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

Population growth

Potential and realized rates of vegetative reproduction in *Spirodela polyrhiza*, *Lemna minor*, and *Wolffia borealis* 70 (2001) 79

Port Phillip Bay

Photosynthetic characteristics of sub-tidal benthic microalgal populations from a temperate, shallow water marine ecosystem 70 (2001) 9

Posidonia oceanica

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Isolation and cell wall regeneration of protoplasts from *Posidonia oceanica* and *Cymodocea nodosa* 70 (2001) 237

Detrital stocks and dynamics of the seagrass *Posidonia oceanica* (L.) Delile in the Spanish Mediterranean 70 (2001) 295

***Potamogeton* sp.**

Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius* and *Potamogeton amplifolius*: effects on plant aeration and sediment CH_4 flux 71 (2001) 19

Isozyme evidence for the origin of *Potamogeton* \times *sudermanicus* as a hybrid between *P. acutifolius* and *P. berchtoldii* 71 (2001) 199

Prairie

Tree spade transplanting of *Spartina pectinata* (Link) and *Eleocharis macrostachya* (Britt.) in a prairie wetland restoration site 71 (2001) 297

Pressure-flow

Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius* and *Potamogeton amplifolius*: effects on plant aeration and sediment CH_4 flux 71 (2001) 19

Primary production

Detrital stocks and dynamics of the seagrass *Posidonia oceanica* (L.) Delile in the Spanish Mediterranean 70 (2001) 295

Production

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Competition between the tropical alga, *Halimeda incrassata*, and the seagrass, *Thalassia testudinum* 71 (2001) 217

[Proline]

Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites australis* 69 (2001) 195

The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica* 71 (2001) 63

Propagule establishment

The importance of propagule establishment and physical factors in mangrove distributional patterns in a Costa Rican estuary 71 (2001) 157

Protoplasts

Isolation and cell wall regeneration of protoplasts from *Posidonia oceanica* and *Cymodocea nodosa* 70 (2001) 237

Quantum efficiency

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

RAPD

Population differentiation and phylogeography of *Hydrophila pogonocalyx* based on RAPDs fingerprints 70 (2001) 269

Reclamation

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Recovery

Recovery of the brown alga *Fucus gardneri* following a range of removal intensities 71 (2001) 273

Redox potential

The influence of convective flow and sediment type on root morphology in *Typha domingensis* 70 (2001) 151

Reed

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Reed decline

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Chemical characteristics of soils and pore waters of three wetland sites dominated by *Phragmites australis*: relation to vegetation composition and reed performance 69 (2001) 235

Reed die-back

Effect of eutrophication on culm architecture of lakeshore *Phragmites* reeds 69 (2001) 177

Decomposition processes in soil of a healthy and a declining *Phragmites australis* stand 69 (2001) 217

Relative growth rate

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Relative length growth rate

Geographic variation in growth responses in *Phragmites australis* 69 (2001) 89

Reproductive effort

Vegetative dynamics and sexual reproduction of monospecific *Thalassia hemprichii* meadows in the Kalayaan Island Group 71 (2001) 239

Respiration

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

RGR

A comparison of growth responses between two species of *Potamogeton* with contrasting canopy architecture 70 (2001) 53

The response of an emergent sedge *Bolboschoenus medianus* to salinity and nutrients 70 (2001) 311

Rhipidia

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Root exudation

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

Ruppia megacarpa

Spatial variation in the $\delta^{13}\text{C}$ signature of *Ruppia megacarpa* (Mason) in coastal lagoons of

southwestern Australia and its implication for isotopic studies 71 (2001) 83

Salinity

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica* 71 (2001) 63

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Salix babylonica

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 35

Salt marsh

Primary colonisation of mudflat estuaries by *Spartina maritima* (Curtis) Fernald in Northwest Spain: vegetation structure and sediment accretion 69 (2001) 15

Salt stress

Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites australis* 69 (2001) 195

Salt tolerance

Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites australis* 69 (2001) 195

Sawgrass

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Seagrass

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

A buffer sensitive inorganic carbon utilisation system in *Zostera marina* 69 (2001) 55

Relationships between sediment physico-chemical characteristics and heavy metal bioaccu-

mulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Isolation and cell wall regeneration of protoplasts from *Posidonia oceanica* and *Cymodocea nodosa* 70 (2001) 237

Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast 70 (2001) 243

Halophila ovalis (R. Br.) Hook. f. from a submarine hot spring in southern Japan 70 (2001) 329

Spatial variation in the $\delta^{13}\text{C}$ signature of *Ruppia megacarpa* (Mason) in coastal lagoons of southwestern Australia and its implication for isotopic studies 71 (2001) 83

A manipulative experiment demonstrates that blooms of the macroalga *Ulvaria obscura* can reduce eelgrass shoot density 71 (2001) 149

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Competition between the tropical alga, *Halimeda incrassata*, and the seagrass, *Thalassia testudinum* 71 (2001) 217

Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico 71 (2001) 247

Seagrass distribution

Vegetative dynamics and sexual reproduction of monospecific *Thalassia hemprichii* meadows in the Kalayaan Island Group 71 (2001) 239

Seasonal dynamics

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Sediment

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

The importance of mineralization based on sulfate reduction for nutrient regeneration in tropical seagrass sediments 71 (2001) 1

Sediment bacterial activity

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

Sediment denitrification

Do submersed plants enhance microbial activity in sediment? 69 (2001) 1

Sedimentation

Primary colonisation of mudflat estuaries by *Spartina maritima* (Curtis) Fernald in Northwest Spain: vegetation structure and sediment accretion 69 (2001) 15

Seed dispersal

Influence of a tube-dwelling polychaete on the dispersal of fragmented reproductive shoots of eelgrass 70 (2001) 1

Seed fall

Seed fall and field germination of needlerush, *Juncus effusus* L. 71 (2001) 233

Seed germination

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Seed fall and field germination of needlerush, *Juncus effusus* L. 71 (2001) 233

Seed traps

Seed fall and field germination of needlerush, *Juncus effusus* L. 71 (2001) 233

Seedling establishment

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Senescence

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Shallow lakes

Interaction between coot (*Fulica atra*) and waterlily (*Nymphaea alba*) in a lake: the indirect impact of foraging 71 (2001) 209

Shoot dynamics

Vegetative dynamics and sexual reproduction of monospecific *Thalassia hemprichii* meadows in the Kalayaan Island Group 71 (2001) 239

Simulation model

A simulation model for the annual fluctuation of *Zostera marina* biomass in the Venice lagoon 70 (2001) 135

Spain

Effect of the vegetative cycle of *Caulerpa prolifera* on the spatio-temporal variation of invertebrate macrofauna 70 (2001) 163

Spanish mediterranean

Detrital stocks and dynamics of the seagrass *Posidonia oceanica* (L.) Delile in the Spanish Mediterranean 70 (2001) 295

Spartina anglica

The effects of nitrogen supply and salinity on [DMSP], [glycine betaine] and [proline] concentrations in leaves of *Spartina anglica* 71 (2001) 63

Spatial distribution

Environmental heterogeneity and spatial distribution of macrophytes in plain streams 70 (2001) 225

Species richness

Aquatic macrophytes in cool aseasonal and seasonal streams: a comparison between Ecuadorian highland and Danish lowland streams 71 (2001) 281

Species–environmental relationship

Species–environmental relationships of aquatic macrophytes in Northern Ireland 70 (2001) 175

Spratlys

Vegetative dynamics and sexual reproduction of monospecific *Thalassia hemprichii* meadows in the Kalayaan Island Group 71 (2001) 239

Stand structure of reeds

Effect of eutrophication on culm architecture of lakeshore *Phragmites* reeds 69 (2001) 177

Standing dead leaves

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Starch

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Steady-state rhizotron

Growth, biomass allocation and nutrient use efficiency in *Cladium jamaicense* and *Typha domingensis* as affected by phosphorus and oxygen availability 70 (2001) 117

Stomatal conductance

Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of *Phragmites australis* 69 (2001) 165

Streams

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Aquatic macrophytes in cool aseasonal and seasonal streams: a comparison between Ecuadorian highland and Danish lowland streams 71 (2001) 281

Stress

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Submarine hot spring

Halophila ovalis (R. Br.) Hook. f. from a submarine hot spring in southern Japan 70 (2001) 329

Submergence

Effects of submergence on the growth of *Phragmites australis* seedlings 69 (2001) 147

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Submersed vascular plant

Ebullitive release of lacunar gases from floral spikes of *Potamogeton angustifolius* and *Potamogeton amplifolius*: effects on plant aeration and sediment CH_4 flux 71 (2001) 19

Sub-tidal

Photosynthetic characteristics of sub-tidal benthic microalgal populations from a temperate, shallow water marine ecosystem 70 (2001) 9

Sucrose

Effects of NaCl-salinity on amino acid and carbohydrate contents of *Phragmites australis* 69 (2001) 195

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Sulfate reduction

The importance of mineralization based on sulfate reduction for nutrient regeneration in tropical seagrass sediments 71 (2001) 1

Sulfides

Photosynthetic and growth response of eelgrass to low oxygen and high sulfide concentrations during hypoxic events 70 (2001) 29

Survival strategies

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Sustainable wastewater treatment

The effect of pH variation at the ammonium/ammonia equilibrium in wastewater and its toxicity to *Lemna gibba* 71 (2001) 71

Temperature

A *Halodule*-dominated community in a subtropical embayment: physical environment, productivity, biomass, and impact of dugong grazing 71 (2001) 179

Texture

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Thalassia hemprichii

The importance of mineralization based on sulfate reduction for nutrient regeneration in tropical seagrass sediments 71 (2001) 1

Vegetative dynamics and sexual reproduction of monospecific *Thalassia hemprichii* meadows in the Kalayaan Island Group 71 (2001) 239

Thalassia testudinum

Competition between the tropical alga, *Halimeda incrassata*, and the seagrass, *Thalassia testudinum* 71 (2001) 217

Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico 71 (2001) 247

Thalassodendron ciliatum

Leaf production, shoot demography, and flowering of *Thalassodendron ciliatum* along the east African coast 70 (2001) 243

Tidal flooding

Primary colonisation of mudflat estuaries by *Spartina maritima* (Curtis) Fernald in Northwest Spain: vegetation structure and sediment accretion 69 (2001) 15

Tolerance

Salt tolerance in *Phragmites australis* populations from coastal Mediterranean marshes 70 (2001) 39

Toughness

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Toxins

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

Trace elements

Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico 71 (2001) 247

Translocation

An overview of the effects of phytotoxins on *Phragmites australis* in relation to die-back 69 (2001) 251

A modelling approach to the analysis of pressure-flow in *Phragmites* stands 69 (2001) 269

Mathematical modelling of methane transport by *Phragmites*: the potential for diffusion within the roots and rhizosphere 69 (2001) 293

Transplanting wetland restoration

Tree spade transplanting of *Spartina pectinata* (Link) and *Eleocharis macrostachya* (Britt.) in a prairie wetland restoration site 71 (2001) 297

Turbidity

A comparison of growth responses between two species of *Potamogeton* with contrasting canopy architecture 70 (2001) 53

Typha latifolia

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 35

Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake 71 (2001) 259

USA

Macroalgal communities from an acid mine drainage impacted watershed 71 (2001) 93

Tree spade transplanting of *Spartina pectinata* (Link) and *Eleocharis macrostachya* (Britt.) in a prairie wetland restoration site 71 (2001) 297

UVR

Effect of high visible and UV irradiance on subtidal *Chondrus crispus*: stress, photoinhibition and protective mechanisms 71 (2001) 47

Vapor pressure deficit

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 35

Várzea

Seed germination and early establishment of 12 tree species from nutrient-rich and nutrient-poor Central Amazonian floodplains 70 (2001) 89

Vegetative reproduction

Potential and realized rates of vegetative reproduction in *Spirodela polyrrhiza*, *Lemna minor*, and *Wolffia borealis* 70 (2001) 79

Vesijärvi

Diel variation in methane emissions from stands of *Phragmites australis* (Cav.) Trin. ex Steud. and *Typha latifolia* L. in a boreal lake 71 (2001) 259

Water depth

Phenotypic plasticity in *Phragmites australis* as a functional response to water depth 69 (2001) 127

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Water potential

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

Water regime

Leaf recruitment and elongation: an adaptive response to flooding in *Villarsia reniformis* 70 (2001) 281

Waterplant–herbivore interactions

Interaction between coot (*Fulica atra*) and waterlily (*Nymphaea alba*) in a lake: the indirect impact of foraging 71 (2001) 209

Weibull distribution

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

Wetland

Effect of climatic gradients on the photosynthetic responses of four *Phragmites australis* populations 69 (2001) 109

Low levels of reserve carbohydrates in reed (*Phragmites australis*) stands of Kis-Balaton, Hungary 69 (2001) 209

Mass loss, fungal colonisation and nutrient dynamics of *Phragmites australis* leaves during senescence and early aerial decay 69 (2001) 325

Experimental assessment of salinity tolerance of *Ceriops tagal* seedlings and saplings from the Indus delta, Pakistan 70 (2001) 259

Temporal patterns in evapotranspiration from lysimeters with three common wetland plant species in the eastern United States 71 (2001) 35

Periphyton responses to experimental phosphorus enrichment in a subtropical wetland 71 (2001) 119

Tree spade transplanting of *Spartina pectinata* (Link) and *Eleocharis macrostachya* (Britt.) in a prairie wetland restoration site 71 (2001) 297

Width

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

WUE

The response of an emergent sedge *Bolboschoenus medianus* to salinity and nutrients 70 (2001) 311

Xanthophyll

Photosynthetic pigments and efficiencies of two *Phragmites australis* stands in different nitrogen availabilities 69 (2001) 359

Yucatan

Measuring production of *Halodule wrightii*: additional evidence suggests clipping underestimates growth rate 69 (2001) 41

Z. marina

Photosynthetic and growth response of eelgrass to low oxygen and high sulfide concentrations during hypoxic events 70 (2001) 29

Zinc

Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes 69 (2001) 63

Zostera

A manipulative experiment demonstrates that blooms of the macroalga *Ulvaria obscura* can reduce eelgrass shoot density 71 (2001) 149

Zostera marina

A buffer sensitive inorganic carbon utilisation system in *Zostera marina* 69 (2001) 55

Influence of a tube-dwelling polychaete on the dispersal of fragmented reproductive shoots of eelgrass 70 (2001) 1

A simulation model for the annual fluctuation of *Zostera marina* biomass in the Venice lagoon 70 (2001) 135

Zostera marina L.

Biomechanical properties of the reproductive shoots of eelgrass 69 (2001) 27

